APPLICATION FOR PERMIT TO APPROPRIATE THE PUBLIC WATERS OF THE STATE OF NEVADA

Date	e of filing in State Engineer's Office JUL 2 5 1980
Reti	rned to applicant for correction
	rected application filed
Мар	filed
	Sunoco Energy Development Company
	The applicant Sunoco Energy Development Company
!	2700 Park Central Pl., Box 9, Suite 1500, of Dallas Street and No. or P.O. Box No. City or Town
	Texas (75251) , hereby make application for permission to appropriate the public State and Zip Code No.
	ers of the State of Nevada, as hereinafter stated. (If applicant is a corporation, give date and place of incorpora-
tion	; if a copartnership or association, give names of members.) Incorporated January 2, 1975
	in the State of Delaware
1.	The source of the proposed appropriation is Well No. 76-12 Name of stream, lake or other source.
2.	The amount of water applied for is. 3.25 One second-foot equals 448.83 gals, per min.
	One second-foot equals 448,83 gais, per min. (a) If stored in reservoir give number of acre-feet
3.	The water to be used for
	Irrigation, power, mining, manufacturing, domestic, or other use. Must limit to one use. If use is for:
4.	(a) Irrigation (state number of acres to be irrigated)
	(b) Stockwater (state number and kinds of animals to be watered)
	(c) Other use (describe fully under "No. 12. Remarks")
	(d) Power:
	(1) Horsepower developed
	(2) Point of return of water to stream
5.	The water is to be diverted from its source at the following point: NE SE Section 12, T24N, R36E,
	M.D.B.&M., or at a point from which the Northwest corner of Section 5, T24N, R37I Describe as being within a 40-acre subdivision of public survey, and by course and distance to a section corner. If on unsurveyed land, M.D.B.&M. bears, N 34 ⁰ 24' 08" E a distance of 10,493.2 feet
	it should be stated. Place of use Section 32, T25N, R37E, M.D.B.&M., Sections 4, 5, 6, 7, 8, 17, 18, 19,
6,	Describe by legal subdivision, if on unsurveyed land it should be so stated. 20, 21, T24N, R37E, M.D.B.&M., Sections 12, 13, 24, T24N, R36E, M.D.B.&M.
7.	Use will begin about January 1 and end about December 31 of each year. Month and Day Month and Day
8.	Description of proposed works. (Under the provisions of NRS 535.010 you may be required to submit plans and
	specifications of your diversion or storage works.) Drill well to approximately 6,000 feet,
	install casing and cement back to surface to protect fresh water zones. Hot State manner in which water is to be diverted, whether by dam or other works, whether through pipes, ditches, flumes, or other conduits.
	State manner in which water is to be diverted, whether by dam or other works, whether through pipes, directes, numes, or other conduits. Water or steam will flow through pipeline to electric plant.

9.	Estimated cost of works \$500,000
10.	Estimated time required to construct works
11.	Estimated time required to complete the application to beneficial use Five Years
12.	Remarks: For use other than irrigation or stock watering, state number and type of units to be served or annual consumptive use.
	This application is for a geothermal well with a production of 2.1 million gallons per day. The withdrawal will be 2352 acre feet per year, however, the high temperature water would be flashed with the net effect of 210,000 gallons per day being beneficially used and the remaining water returned to the reservoir so only 235 acre feet per year is actually used. This application is commingled with the other applications.
App	dicant. SUNOCO ENERGY DEVELOPMENT COMPANY
Con	By s/Richard W. Arden Richard W. Arden, Agent 950 Industrial Way Sparks, Nevada (89431)
	OF STATE ENGINEER
	This is to certify that I have examined the foregoing application, and do hereby grant the same, subject to the owing limitations and conditions:
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The	amount of water to be appropriated shall be limited to the amount which can be applied to beneficial use, and co exceed
Actu	al construction work shall begin on or before
	of commencement of work shall be filed before
	k must be prosecuted with reasonable diligence and be completed on or before
	of of completion of work shall be filed before
	lication of water to beneficial use shall be made on or before
	of of the application of water to beneficial use shall be filed on or before
_	mencement of work filed
Comp Proof Cultu	State Engineer of Nevada, have hereunto set my hand and the seal of my office, this day of
Certi	ficate No
~	State Engineer STATE ENGINEER State Engineer